

**Minutes of the Carlisle Board of Health
June 16, 2009**

Present: Board Members Jeff Brem (Chairman), Chris Deignan, Bill Risso, Michael Holland; Mark Caddell; also present: Linda Fantasia (Agent); Rob Frado (TCG); (Carlisle Mosquito)

The meeting was called to order at 7:30 p.m. at the town hall.

MINUTES – It was moved (Risso) and seconded (Caddell) to approve the minutes of 5/19/09 as amended. Motion passed 4-0-0 (Holland had not arrived).

BILLS – It was moved (Risso) and seconded (Caddell) to approve the bills as presented. Motion passed 4-0-0 (Holland had not arrived).

Brem agreed to take agenda items out of order and review the septic loan applications last since the builder for 63 Buttrick Lane was already present.

63 BUTTRICK LANE – Dean Bliss of the Bliss Company appeared before the Board on behalf of the buyers for the property, the Martinellis. The buyers are proposing to finish two rooms above the existing garage. The system has a five bedroom capacity. The additional rooms will result in a total of twelve rooms. The buyers are requesting to use the garbage grinder allowance for the required additional capacity. Bliss said the buyers do not see that the additional rooms will result in additional flows to the system, only additional living space. They would prefer to keep the grinder. Brem explained why the additional 50% increase in leaching area is needed for a grinder. Up until recently all systems in Carlisle every septic system were required to design for a garbage grinder, whether one was installed or not. In 2008, the Board eliminated the requirement due to concerns about oversizing systems and how systems function. Under the revised regulation, the system at 63 Buttrick Lane would have sufficient capacity for the addition (825 GPD provided, 660 GPD required). The only condition would be to remove the grinder and record a restriction at the registry. The floor plans were reviewed by the agent, consultant and building inspector, who was present for a later discussion. All agreed that the addition created two new rooms. The Board suggested modifying the floor plan to eliminate a doorway so that the area could be classified as a bedroom suite. The room count would stay at eleven which is within the existing septic capacity. Bliss asked to check with the buyers by phone. The item was tabled until later in the evening.

DISCUSSION WITH BUILDING COMMISSIONER – John Luther appeared before the Board. The first item discussed involved a request to run a sewer line between a detached garage and the main house at 383 Russell Street to accommodate an addition above the garage. A question arose over whether this fell under the plumbing code or Title 5. The plumbing code deals with lines between buildings and within the 10' area beyond the foundation. In this instance, the line will be approximately 93' long and require an ejector pump at the house connection. Luther, Fantasia, Powderly (Pl. Inspector) and Frado met and agreed that due to the unique circumstances, it would be helpful to have Board of Health review. The builder is willing to do the additional requirements, which including an engineered as-built to verify the slope of the line and installing magnetic tape tracers. Luther said it is his goal and very important for boards to work together, particularly when jurisdictions overlap. The Board also supports this collaboration.

Luther then updated the Board on Ferns. Construction has started on the addition. The interim plan calls for renovating the garage and constructing the connecting building. A final plan for the store is still under consideration. Brem noted that the issue of a hand washing sink in the restroom is still being resolved. There have been discussions with the Regional DEP office. Ferns would like to install a Clivus composting toilet which would have negligible flow. If seating for the café is provided, a public restroom is required. There is a question of whether a hand washing sink would trigger a public water supply. If the well is reclassified the existing septic system would need to be brought into compliance. This is not possible given the site constraints. There is a restroom in the basement for employees. Various options are under consideration including a locked sink for employee's use and hand sanitizers for the public. There would be appropriate signage. Another meeting is planned with DEP.

Luther said the LSP on site during construction found no evidence of contaminated soil. Monitoring devices registered no petroleum products in the air. Digging was kept to a minimum to avoid disturbing the soil. The slab foundation is being installed at two feet with specialized frost barriers to limit excavation work.

Frado reported that the existing tank was filled and abandoned; the new tank was installed. The new tank was installed but before it could be backfilled and the hole filled with rain water causing a misalignment of the outlets. Neither Frado nor the engineer would certify the elevation. The tank had to be pulled and reset. The installation is now approved and the as-built is pending.

Luther updated the Board on Hanover Hill. One building permit has been issued. Four other lots are under agreement. There is a lot of building activity in town, including teardowns, which should help with new growth. The "green" house on Prospect Street is still under construction. Frado said arrangements have been made to install the monitoring well as requested by the Board. The property utilizes two composting toilets. The Board is interested in monitoring any long term impacts to groundwater.

The Board thanked Luther for the meeting. Both departments emphasized the need for communication and cooperation.

63 BUTTRICK LANE (continued) – Bliss reported that the buyers do not want to change the floor plan for the addition. The Board agreed to approve a deed restriction to accommodate the addition. The restriction will need to be filed at the Registry. The Building Inspector will check that the grinder has been removed prior to the occupancy permit.

It was moved (Risso) and seconded (Deignan) to approve a Garbage Grinder Deed Restriction for 63 Buttrick's Lane, Carlisle MA so that the additional septic capacity can be used to accommodate an addition, as presented to the Board on 6/16/09, conditional upon removal of the existing grinder and recording at the Registry of Deeds. Motion passed 4-0-0 (Holland had not arrived)

84 SOUTH STREET – Plan entitled: "Septic System Upgrade for 68-84 South Street, Carlisle, MA, owner New South Street Realty Trust, designer R. Wilson & Assoc Inc., dated 6/2/09". Present for the public meeting was Chip Orcutt, property manager, and Drew Garvin of R. Wilson Assoc. (Holland arrives)

Garvin explained that the original system was permitted in 1967 for a hospital at 10,000 GPD. It was upgraded for a change in use in 1981 with a design flow of 7,500 GPD. The upgrade incorporated a siphon chamber to alternate flows between two 5000 GPD leaching areas. At one point the siphon chamber failed to do this and one leaching area received all of the wastewater. This field is now in failure. The design calls for installing a new sewer line and tank to direct flows to the "unused" leaching area. Current actual flows for the property are 1750GPD (14,500 office area at 75 GPD per 1000 sf and two (2) bedroom apartments at 165 GPD/bedroom). This includes a small future addition for a lunchroom. All items from the previous technical review have been addressed with the exception of the nitrogen removal since the system is within the IWPA for the PWS. Garvin explained that property consists of 20 acres and meets the nitrogen loading requirements of 15.214-215. The Board asked to have a note added to the plan referencing this section of Title 5. Garvin said that for future planning purposes, the owner wants to retain the capacity of the original permit. The Board said that a new design based on the intended use would need to be submitted. The Board had no other concerns for the proposed tie in.

It was moved (Risso) and seconded (Caddell) to approve the proposed upgrade for 84 South Street conditional upon adding a note to the plan referencing that it meets the requirements of 310 CMR 214-15. Motion passed 5-0-0

181 MUNROE HILL ROAD – COMMUNITY SEPTIC LOAN PROGRAM. Present for the meeting was Olive Naidich, owner/applicant.

Mrs. Naidich provided the Board with three estimates from design engineers and licensed installers. She also provided documentation that the existing SAS had failed. She will be selling the house but needs financial assistance to replace the system. She is asking for the maximum loan amount of \$40,000. The Board said she would

need to verify income of less than \$150,000. Naidich agreed. Naidich then asked if the Board would reconsider lowering the interest rate to 2% as originally voted. The Board explained that after conferring with the town's finance director, it was determined that a 2% rate could pose a potential financial risk to the town over a full ten year repayment cycle. An important part of getting the Selectmen to agree to the program was that it would not cost the town. Naidich said she understood the Board's position, and is still interested.

It was moved (Deignan) and seconded (Risso) to order the replacement of the failed SAS at 181 Munroe Hill Road, and approve a loan of up to \$40,000 under Carlisle's Community Septic Loan Program to Olive Naidich to be paid back through a ten year, or sooner, betterment at the rate of 5% on the property. Motion passed 5-0-0.

CARLISLE PUBLIC SCHOOLS WWTP – Risso had suggested that the Board consider allowing the School Department to bypass the WWTP and use the existing leaching area as a conventional Title 5 System. According to metered flows, actual flow rates are significantly less than the WWTP capacity causing problems in its operations. Since school population projections are showing a decrease in enrollment for the next few years, it might make more sense to bypass the WWTP which has an annual operation cost. Holland had checked with some of his engineering contacts who said taking a plant offline is frequently done. Holland agreed to follow up with DEP. He noted that it would be very important to keep the GWDP active even if the WWTP is not in use. Risso said the Board would need to base its decision on the public health issues and safety of the environment. There is also the question of impacting other permits, such as the Rivers Act. Holland said a WWTP is exempt from the Rivers Act. Brem suggested preparing a protocol for converting to a Title 5 system instead of a treatment plant. Holland agreed that more efficient water devices along with a drop in enrollment have probably affected flows to the WWTP. Again he stressed the need for keeping the GWDP active. Risso said projections indicate a five year phase before needing to reuse the WWTP. The Board agreed to begin discussions with the Selectmen and School Committee. The Board will ask its consultant, Rob Frado, to compare field sizes between the WWTP and originally permitted Title 5 SAS. (Holland leaves the meeting)

70 TIMOTHY LANE – COMMUNITY SEPTIC LOAN PROGRAM. No one was present for the meeting.

The Board reviewed the application. Proof of a failed system was submitted, along with three estimates from design engineers and licensed installers. The owners are asking for a loan of up to \$25,000. The final cost cannot be determined until a design is approved. The owners would prefer a lower interest rate. Fantasia asked if the Board could have different rates based on financial need. The Board said they could not discriminate. The rate is 5%. There are only two choices – 2 or 5% and it must be universally applied. The Board requires verification of income less than \$150,000. The Board also noted that interest and penalties cannot be paid from loan proceeds. Owners need to clarify this with contractors and explain that processing payments may take longer. Fantasia noted that contractors usually agree because they are assured payment because of the town's loan agreement. Brem asked that owners be specifically warned about contractual conditions that might not be covered by the loan.

It was moved (Risso) and seconded (Deignan) to order the replacement of the failed SAS at 70 Timothy Lane and approve a loan of up to \$25,000 from the Carlisle Community Septic Loan Program to owners Charles and Ruth DeLong to be paid back through a ten year, or sooner, betterment at 5% on the property. Motion passed 4-0-0.

ADMINISTRATIVE REPORTS

H1N1Update – CCDC has declared a Level 6 Global Pandemic. DPH provides weekly situation reports. Confirmed cases are often the tip of the iceberg since many clinicians do not bother with laboratory confirmation at this point. Carlisle has no confirmed cases, although a 6th grader does have some type of flu. Kathy Horan, School Nurse, expects more cases shortly. She is concerned about graduation week activities, fearing that sick children will not stay home. The school is sending an advisory to parents. CCHS has four confirmed cases. Fantasia reported that health departments are being asked to prepare for possible local clinics in the fall. CDC is working with various pharmacies on the creation of an effective vaccine.

Hazardous Waste Collection – 128 cars (53 full, 92 half). Risso is concerned that some cars have only one can of paint, much less than the 10 gals for a "half" car. The town is charged on "full" and "half" loads. It was suggested that the town collect products ahead of the collection. This could be a problem for the town, however, since it

would then “own” the hazardous waste. On one hand it is good that people are buying less hazardous products and holding them until collections, but there is still a cost for removal.

Emergency Notification System – Fantasia would like the Board to move forward on this. The ice storm in Western Massachusetts last December proved its importance. If the town needs to set up flu clinics, there needs to be a system to contact residents. Fantasia provided some initial cost information. Brem suggested contacting other communities to see if Carlisle could share their systems.

Generator – Dave Flannery is still looking for surplus concrete for the pad. Deignan thought he might be able to obtain some. The work should be done when school ends.

MRC Trailer – Fantasia asked if the Board would consider asking for donations to furnish the trailer or pay for the logo. Other towns are doing this. The gift needs to be accepted by the Selectmen. The board did not favor this option.

Intermunicipal Agreement with Concord Health Dept – The Board signed the rate for FY10.

Old Home Day (6/27/09) – A booth has been arranged. Risso and Deignan will set up. Fantasia, deAlderete and Cahill volunteered to staff the booth.

HAMS – Dave Willard and Alan Cameron are organizing a group of local operators to discuss forming an emergency network for the town. The Board received two radios for use in a public shelter. Dave Willard and Alan Lewis are keeping the radios in good working condition.

Ferns Country Store – annual reports were submitted. The water test is satisfactory. The septic tank and cleanouts were inspected and pumped. There was some residual rain water in the overflow tank. There was no indication that the water related to construction or contamination at the site.

There was no further business. Meeting voted to adjourn at 9:30 p.m.

Respectfully submitted,

Linda M. Fantasia
Recorder